IN THE CLAIMS

The status of claims in the case is as follows:

1. [Previously presented] Method for representing any business process or processes as a set or sets of tuples, comprising the steps of:

    defining each of a plurality of processes as a 3-tuple including a noun, a verb and an attribute; and

    displaying a selected process as a point in navigation space.

2. [Original] The method of claim 1, further comprising the steps of:

    displaying selection lists, including a noun selection list, a verb selection list and an attribute selection list;

    responsive to user selection of a 3-tuple including noun, a verb and an attribute from said selection

8   lists, highlighting the point in navigation space

9   corresponding to said 3-tuple.

10   3.   [Previously presented]   The method of claim 1,

11   further comprising the steps of:

12   responsive to user selection of a zoom in action in

13   connection with a selected process point, determining

14   if said selected process point is zoomable; and, if so

15   highlighting in a new navigation space the process

16   points referenced by selected process point

17   definitions;

18   said zoom actions displaying within nested navigation

19   space logical changes in context for navigating said

20   process space to explore or define business processes.

1   4.   [Original]   The method of claim 3, further comprising

2   the steps of:

3   responsive to user selection of a zoom out action in

4   connection with a selected process point, determining

5   if said selected process point is zoomable; and, if so

6   highlighting in a new navigation space the zoomed to

7   process point.

1   5.   [Previously presented]   The method of claim 1, further

2   comprising the steps of:

3   responsive to user selection of a create process

4   action, accepting and storing a 3-tuple and process

5   definition in a database of generally represented

6   business processes.

1   6.   [Previously presented]   The method of claim 5, further

2   comprising the steps of:

3   responsive to user selection of a process edit action

4   in connection with a selected process, displaying the

5   process definition corresponding to said selected

6   process for editing said selected process by said user.

1   7.   [Previously presented]   The method of claim 5, further

2   comprising the steps of:

3   responsive to user selection of a run process action in

4   connection with a selected process from within the

5   context of all other defined business processes for an

6   organization in a multi-dimensional process space,

7   executing said process.

8   8.   Canceled.

9   9.   [Previously amended]   System for representing any

10   business process or processes, comprising:

11   a store containing for each of a plurality of said

12   processes a 3-tuple including a noun, a verb and an

13   attribute; and

14   a display operable to display a selected process as a

15   point in navigation space.

1   10.   [Previously presented]   A program storage device

2   readable by a machine, tangibly embodying a program of

3 instructions executable by a machine to perform method steps

4 for representing any business processes, said method steps

5 comprising:

6 defining each of a plurality of said processes as a 3-

7 tuple including a noun, a verb and an attribute; and

8 displaying a selected process as a point in navigation

9 space; said point representing logical changes in

10 context of said navigation space for exploring or

11 defining business processes.

1 11. [Previously presented] An article of manufacture

2 comprising:

3 a computer usable medium having computer readable

4 program code means embodied therein for displaying

5 representations of any business processes, the computer

6 readable program means in said article of manufacture

7 comprising:

8 computer readable program code means for causing a

9 computer to effect defining each of a plurality of said

10   processes as a 3-tuple including a noun, a verb and an

11   attribute; and

12   computer readable program code means for causing a

13   computer to effect displaying a selected process as a

14   point in navigation space; said process point

15   representing logical change in context of said

16   navigation space for exploring or defining business

17   processes.

1   12.   [Original]   Method for representing any business

2   processes comprising the steps of:

3   defining each of a plurality of processes as a 3-tuple

4   including a noun, a verb and an attribute; and

5   displaying a selected process as a process point in

6   navigation space; and

7   nesting a first navigation space in a process point in

8   a second navigation space, said process points

9   representing logical changes in context of said

10   navigation spaces for exploring or defining business

11   processes.

1   13.   [Original]   The method of claim 12, further comprising

2   the step of displaying said first and second navigation

3   spaces in two panels within a window display.

1   14.   [Original]   The method of claim 13, further comprising

2   the step of displaying within each said navigation space a

3   noun list, a verb list, and an attribute list.

1   15.   [Original]   The method of claim 14, further comprising

2   the step of highlighting a point in each panel together with

3   the corresponding entries in said lists defining the noun,

4   verb and attribute dimensions of said highlighted point.

1   16.   [Original]   The method of claim 12, further comprising

2   the step of enabling a user to traverse nested navigation

3   space.

1   17. [Original] The method of claim 12, further comprising

2   the step of

3   enclosing a process space within a plurality of process

4   points.

1   18. [Original] Method for defining any current and future

2   processes of an organization in a manner which facilitates

3   understanding, use and change, comprising the steps of:

4   providing a business process representation including a

5   set of points in a display of n-dimensional space, each

6   point including at least one verb dimension, at least

7   one noun dimension, and at least one attributes

8   dimension, said set of points representing logical

9   changes in context of said n-dimensional space for

10   exploring or defining business processes; and

11

12   selecting a said point selectively to view, modify or

13   execute the business process represented by said point.

1   19. [Currently amended] The method of ~~claim 33~~ claim 18,

2   further comprising the step of providing in at least one of

3   said dimensions indicia the selection of which displays the

4   corresponding noun, verb or attribute entries defined by a

5   particular user.

1   20. [Original] A business process representation

2   comprising:

3   a point in n-dimensional space including at least one

4   verb dimension, at least one noun dimension, and at

5   least one attributes dimension; said process point

6   representing logical change in context of said space

7   for exploring or defining business processes.

1   21. [Original] A program storage device readable by a

2   machine, tangibly embodying a program of instructions

3   executable by a machine to perform method steps for

4   representing business processes, said method steps

5   comprising

6   defining each of a plurality of processes as a 3-tuple

7   including a noun, a verb and an attribute; and

8   displaying a selected process as a process point in

9   navigation space; and

10   nesting a first navigation space in a process point in

11   a second navigation space;

12   said process points representing logical changes in

13   context of said navigation space for exploring or

14   defining business processes.

1 22. [Withdrawn] A program storage device readable by a

2 machine, tangibly embodying a program of instructions

3 executable by a machine to perform method steps for

4 delivering workflow solutions that are immediately useful

5 for customers and readily modified by said customers, said

6 method steps comprising:

7   providing to a customer a generic business process

8   representation including a set of points in n-

9   dimensional space, each point including at least one

10   verb dimension, at least one noun dimension, and at

11   least one attributes dimension; and

12   enabling said customer by selecting a said point to

13   modify said representation for the process represented

14   by said point by selectively adding, deleting and

15   changing a set of actions representing said verb

16   dimension, a set of managed resource objects

17   representing said noun dimension, and a set of

18   expressions representing said attributes dimension,

19   each said expression being capable of evaluation to a

20   Boolean value.

1   23.   [Currently amended]   A program storage device readable

2   by a machine, tangibly embodying a program of instructions

3   executable by a machine to perform method steps for

4   capturing in workflow solutions the policies a business uses

5   to guide its activities, said method steps comprising:

6   visually displaying in a display panel a navigation

7   space and a plurality of scrollable lists including a

8   noun list, a verbs list and an attributes list;

9   responsive to selection of a noun list entry, a verbs

10   list entry, and an attributes list entry, highlighting

11   in said navigation space a point representing a process

12   tuple;

13   responsive to selection of two entries from two of said

14   lists, highlighting in said navigation space a

15   highlighted plane of points representing process tuples

16   for all entries in the list not selected;

17   responsive to selection of a highlighted point

18   displaying the definition of the process represented by

19   said highlighted point.

1   24.   [Withdrawn]   A program storage device readable by a

2   machine, tangibly embodying a program of instructions

3   executable by a machine to perform method steps for making

4   known within an overall business context processes impacted

5   by a policy, said method steps comprising:

6   visually displaying in a display panel a navigation

7   space and a plurality of scrollable lists including a

8   noun list, a verbs list and an attributes list;

9   representing in said navigation space a set of points

10   in n-dimensional space, each said point being a process

11   tuple having a verb dimension, a noun dimension, and an

12   attributes dimension;

13   responsive to selection of a policy in said attributes

14   list, highlighting in said navigation space all process

15   tuples representing process points including said

16   policy.

1   25. [Withdrawn] A program storage device readable by a

2   machine, tangibly embodying a program of instructions

3   executable by a machine to perform method steps for enabling

4   understanding of the mechanisms, interactions and inter-

5   relationships of a business process, said method steps

6   comprising:

7   representing said business process as a set of points

8   in n-dimensional space including at least one verb

9   dimension, at least one noun dimension, and at least

10   one attributes dimension;

11   navigating said space by selecting and opening a

12   process point to display another process

13   representation; and

14   extending said space selectively by redefining said

15   dimensions and grouping scalar definitions into super

16   scalar values.

1   26.   [Original] A program storage device readable by a

2   machine, tangibly embodying a program of instructions

3   executable by a machine to perform method steps for defining

4   current and future processes of an organization in a manner

5   which facilitates understanding, use and change, said method

6   steps comprising:

7   providing a business process representation including a

8   set of points in n-dimensional space, each point

9   including at least one verb dimension, at least one

10   noun dimension, and at least one attributes dimension;

11   said process points representing logical changes in

12   context of said space for exploring or defining

13   business processes; and

14   selecting a said point selectively to view, modify or

15   execute the business process represented by said point.

1   27. [Withdrawn] System for representing any business

2   processes comprising:

3   means for defining each of a plurality of processes as

4   a 3-tuple including a noun, a verb and an attribute;

5   means for displaying a selected process as a process

6   point in navigation space; said process point

7   representing logical changes in context of navigation

8   space for exploring or defining business processes.;

9   and

10   means for nesting a first navigation space in a process

11   point in a second navigation space.

1   28. [Original] System for defining any current and future

2   processes of an organization in a manner which facilitates

3   understanding, use and change, comprising the steps of:

4   means for providing a business process representation

5   including a set of points in n-dimensional space, each

6   point including at least one verb dimension, at least

7   one noun dimension, and at least one attributes

8   dimension; said points representing logical changes in

9   context of navigation space for exploring or defining

10   business processes; and

11   means for selecting a said point selectively to view,

12   modify or execute the business process represented by

13   said point.

1   29.   [Withdrawn] A business process representation,

2 comprising:

3   a point in n-dimensional space including at least one

4   verb dimension, at least one noun dimension, and at

5   least one attributes dimension;

6   said verb dimension representing a set of actions, said

7   noun dimension representing a managed resource object,

8   said attributes dimension representing a set of

9   expressions capable of evaluation to a Boolean value.

1   30.   [Withdrawn -- Currently amended] The business process

2 representation of ~~claim 37~~ claim 29, said set of actions for

3 said verb dimension including add, delete, change, and

4   determine.

1   31.   [Withdrawn -- Currently amended] The business process

2   representation of ~~claim 37~~ <u>claim 29</u>, said resource objects

3   for said noun dimension including account, balance,

4   customer, loan, teller, interest.

1   32.   [Withdrawn -- Currently amended] The business process

2   representation of ~~claim 37~~ <u>claim 29</u>, said set of expressions

3   for said attributes dimension including less than, overdue,

4   greater than, court order, audit, null.

1   33.   [Withdrawn -- Currently amended] The business process

2   representation of ~~claim 37~~ <u>claim 29</u>, said verb dimension,

3   said noun dimension, and said attributes dimension

4   comprising a process tuple including a verb action, a noun

5   object, and an attribute expression.

6   34.   [Withdrawn -- Currently amended] Method for

7   systematically defining the current and future business

8   processes of an enterprise, comprising the steps of:

9   providing to a business process representation

10   including a set of points in n-dimensional space, each

11   point including at least one verb dimension, at least

12   one noun dimension, and at least one attributes

13   dimension; and

14   selectively modifying said representation by

15   selectively adding, deleting and changing a set of

16   actions representing said verb dimension, a set of

17   managed resource objects representing said noun

18   dimension, and a set of expressions representing said

19   attributes dimension, each said expression being

20   capable of evaluation to a Boolean value.

1   35. [Withdrawn -- Currently amended] The method of ~~claim 42~~

2   claim 34, further comprising the step of:

3   modifying said representation by grouping subsets of

4   any of said dimension sets.

1 36. [Withdrawn -- Currently amended] The method of ~~claim 43~~

2 claim 35, further comprising the step of:

3   selectively adding to a dimension new group elements,

4   thereby combining noncontiguous sets of planes in said

5   n-dimensional space into a single plane.

1 37. [Withdrawn -- Currently amended] The method of ~~claim 43~~

2 claim 35, further comprising the step of:

3   selectively subsetting elements of a group of elements

4   by defining a new elements added to a set as belonging

5   to an existing element.

1 38. [Withdrawn -- Currently amended] The method of ~~claim 42~~

2 claim 34, further comprising the steps:

3   responsive to a first user request, prompting said user

4   for a file name and dimension names and, responsive to

5   said names, creating a new process space; and

6   responsive to a second user request, displaying to said

7   user a window selectively enabling said user to select

8   a directory and then within that directory a file or to

9   enter a name for a file, reading said file, and

10 creating a new process space main window to reflect the

11 contents of said file.

1   39. [Withdrawn] Method for enabling automatic

2   interpretation of processes, comprising the steps of:

3   defining process space as a set of points in n-

4   dimensional space, each point including at least one

5   verb dimension, at least one noun dimension, and at

6   least one attributes dimension;

7   said verb dimension, said noun dimension, and said

8   attributes dimension comprising a process tuple

9   including a verb action, a noun object, and an

10 attribute expression;

11 naming a group of points in said process space as a

12 named noun and adding said named noun to said noun

13 dimension as a noun object; and

14 selectively defining processes using existing or new

15 verbs for said named noun.

1 40. [Original] A program storage device readable by a

2 machine, tangibly embodying a program of instructions

3 executable by a machine to perform method steps for

4 systematically defining the current and future business

5 processes of an enterprise, said method steps comprising:

6 providing to a business process representation

7 including a set of points in n-dimensional space, each

8 point including at least one verb dimension, at least

9 one noun dimension, and at least one attributes

10 dimension; and

11 selectively modifying said representation by

12 selectively adding, deleting and changing a set of

13 actions representing said verb dimension, a set of

14 managed resource objects representing said noun

15 dimension, and a set of expressions representing said

16 attributes dimension, each said expression being

17 capable of evaluation to a Boolean value.

1   41. [Original] System for capturing in workflow solutions

2   the policies a business uses to guide its activities,

3   comprising:

4   a display panel for displaying a navigation space and a

5   plurality of scrollable lists including a noun list, a

6   verbs list and an attributes list;

7   said display panel being operable for highlighting in

8   said navigation space a point representing a process

9   tuple responsive to user selection of a noun list

10   entry, a verbs list entry, and an attributes list

11   entry;

12   means responsive to selection of two entries from two

13   of said lists, highlighting in said navigation space a

14   highlighted plane of points representing process tuples

15   for all entries in the list not selected, and

16   responsive to selection of a highlighted point

17   displaying the definition of the process represented by

18   said highlighted point.

1   42. [Withdrawn] Method for representing business processes

2   comprising the steps of:

3   defining each of a plurality of processes as a 3-tuple

4   including a noun, a verb and an attribute; and

5   displaying a selected process as a process point in

6   navigation space;

7   nesting a first navigation space in a process point in

8   a second navigation space; and

9   nesting a second process space within a first process

10   responsive to user reference to a second process in the

11   definition of said first process.

1   43. [Withdrawn -- Currently amended] The method of ~~claim~~

2   ~~60~~ claim 42, further comprising the steps of

3   providing within said nested space the union of all

4   elements referenced in all process definitions within

5   said nested space as minimal values of each said

6   dimension; and

7   adjusting the values of each said dimension to

8   encompass any new user entered nouns, verbs or

9   attributes.

1   44. [Withdrawn -- Currently amended] The method of ~~claim 60~~

2   <u>claim 42</u>, further comprising the steps of

3   enabling a user to traverse nested navigation space;

4   and

5   responsive to said user traversing from a first process

6   space to a process space nested within a point in said

7   first process space, highlighting in the nested space

8   those process points explicitly referenced in said

9   point in said first process space.